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The Influence of Structural Features and Surface Proper- 20-119-5-33/59 ties on the Froth Flotation Extraction of Poorly Floatable Lead Minerals

and composition strongly differentiates from the easily floatable minerals. Therefore the authors tried to explain the unsatisfactory results in the floatation of the above mentioned minerals by the investigation of their crystallo-chemical characteristic features and of their surface properties with regard to water and various flotation reagents. Based on the results of these investigations also the most effective methods for the floatation of the mentioned minerals are to be found. The authors first of all calculated the energies of the crystal lattices of the lead minerals to be investigated by means of the method by Fersman. According to the results given in a table the energies of the crystal lattices of cerussitem anglesite and wulfenite ( group I) differ only little from each other. The second group of minerals (mimetisite, pyromorphite and vanadinite) have great values of lattice energies. The greatest energies of the crystal lattice have beudantite, mimesite, plumbo bojarosite and pyromorphite. Already the given data make possible an orientation in the estimation of the flotation properties with regard to their capability for interaction of all mentioned minerals with the reagents. The inve-

Card 2/3

The Influence of Structural Features and Surface 20-119-5-33/59
Properties on the Froth Flotation Extraction of Poorly Floatable Lead Kinerals

stigation carried out showed the coincidence of the flotation properties with the capability for interaction of the mentioned minerals with the calculated values of energy of the crystal lattice. Thus, for instance, the effectiveness of the action of sodium sulfide on oxide lead minerals decreases in the transition from the minerals of group I to the minerals of groups II and III. Various details concerning the flotation of poorly floatable minerals are given. Phosphotene, petroleum, lubricating oil for automobiles, and polugudron together with xanthogenates served as new effective flotation reagents. Finally the author thanks N.V. Belov, Member, Academy of Sciences, and G. B. Bokiy for valuable advice. There are 1 table and 2 references, 0 of which are Soviet.

SUBMITTED:

December 18, 1957

Card 3/3

SOROKIN, M.M.; RAUKHVARGER, Ye.L.; SHCHEVELEVA, A.S.

Problem of the flotation action of willow oil and its components.

Zhur, prikl, khim, 37 no.2:422-429 F '64.

(MIRA 17:9)

1. Institut gornogo dela imeni Skochinskogo.

SHCHEV'EV, L.M.

Case of systemic scleroderma. Terap.arkh. 33 no.8:103-104 '61.
(MIRA 15:1)

1. Iz terapevticheskogo otdeleniya 2-y gorodskoy bol'nitsy,
Pereslavl'-Zalesskiy.
(SCIERODERMA)

SHCHEV'YEV, L.M.

Some characteristics of the course of trichinosis. Sov. med. 28

no.7:129-131 Jl \*64.

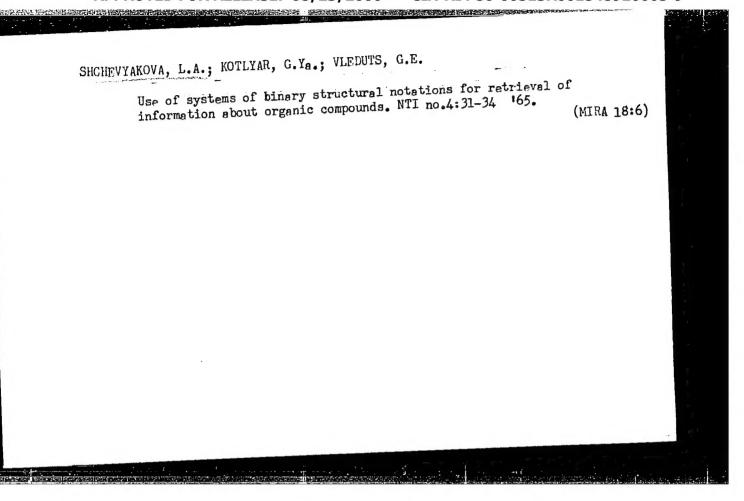
1. Terapevticheskoye otdeleniye (zav. L.M.Shchev'yev) Losino-Petrovskoy (Moskovskaya oblast) gorodskoy bol'nitsy (glavnyy vrach F.A.Slavin).

SHCHEYMAN, A. I.

Shcheyman, A. I. Nervnyy faktor v patogeneze vyalo granulirushchikh ran. V sb: Problemy vosstanovit. lecheniya invalidov Otechestv. voyny. Astrakhan', 1948, s. 203-07. Sm. Takzhe No. No. 25834, 25992, 26001. 25956

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948

CIA-RDP86-00513R001548920003-9" APPROVED FOR RELEASE: 08/23/2000



SHCHEZHIN, V. T.

"Behavior of Directional Negative-Sequence Protection With High Frezuency Blocking by Induction Relays Under Conditions of the Transcient Frecesses Resulting From Short Circuits in 400-KV Lines Equipped with Longitudinal Capacitative Compensation." Cand Tech Sci, Moscow Crder of Lenin Power Engineering Inst imeni V. M. Molotov, 19 Feb 54. Dissertation (Vechernyaya Moskva Moscow 10 Feb 54)

SO: SUM 186, 19 Aug 1954

112-57-8-16530

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1957, Nr 8, p 74 (USSR)

AUTHOR: Shchezhin, V. T.

TITLE: Behavior of a High-Speed Filter Directional Carrier-Current Relay Protective System Under Transient Conditions Accompanying Short Circuits on 400-kv Lines (Povedeniye bystrodeystvuyushchey fil'trovoy napravlennoy vysokochastotnoy zashchity v usloviyakh perekhodnykh protsessov pri korotkikh zamykaniyakh v liniyakh 400 kv)

PERIODICAL: Sb. nauch. tr. Kuybyshevsk. industr. in-ta (Collection of Scientific Work of the Kuybyshev Industrial Institute), 1956, Nr 6, kv. 1, pp 139-149

ABSTRACT: This article presents the results of testing a directional carriercurrent relay protective system staged on an electrodynamic simulator of a 400-ky transmission line. The reason for false operation of an induction relay under transient conditions is explained. A method of eliminating false relay operations is examined. G.G.Ya.

Card 1/1

# "APPROVED FOR RELEASE: 08/23/2000 CIA-

CIA-RDP86-00513R001548920003-9

L 20697-65 EWT(1)/EWT(m) SSD/AEDC(a)/AS(mp)-2/ASD(p)-3 JD

ACCESSION NR: AR4047553

S/0124/64/000/008/B124/B124

SOURCE: Ref. zh. Mekhanika, Abs. 8B719

AUTHOR: Temnikov, A.V., Shchibrayev, Ye. V.

TITLE: The use of the electroheat analogy in the study of heat emission associated with the flow around bodies of arbitrary configuration

CITED SOURCE: Tr. Kuyby\*shevsk. aviats, in-t, vy\*p. 15, ch. 2, 1963, 299-307

TOPIC TAGS: heat emission, heat emission coefficient, electroheat analogy, liquid flow, stream cooling

TRANSLATION: A method is proposed for the determination of local heat emission coefficients, based on the electroheat analogy. An analytical solution of the problem is not required in this connection, and it is not necessary to carry out a time-consuming required in this connection, and it is not necessary to carry out a time-consuming analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient. Also eliminated harmonic analysis in order to determine the heat emission coefficient.

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| Card 2/2   |   |   |  |                                    |                         |  |

L 15715-66 EMT(1)/E.P(m)/EMT(m)/ETC(F)/EPF(n)-2/EMG(m)/EWA(d)/E-A(1)/FCS(k)
CC NA: AT6003101 JD/WW UR/3181/63/000/015/0299/0307 ACC Na 60 AUTHOR: Temnikov, A.V.; Shchibrayev, Ye.V. None ORG: 21,44,5 TITLE: Use of an electrothermal analogy for study of heat transfer in flow around a body of arbitrary shape 1,55 SOURCE: Kuybyshev. Aviatsionnyy institut. Trudy, no.15, pt.2, 1963. Doklady kustovoy nauchno-tekhnicheskoy konferentsii po voprosam mekhaniki zhidkosti i gaza (Reports of the Joint scientific-technical conference on problems of the mechanics of liquid and gas), 299-307 TOPIC TAGS: convective heat transfer, heat conduction, integrated electronic device ABSTRACT: The method of electrothermal analogy is based on an analogy between the mathematical description of heat conduction processes in solid bodies and processes of the propagation of an electric current in electrically conducting media. Limiting the case to steady state processes, the heat conduction equation for the temperature field can be written in the form: Card 1/2

ACC NR. AT6003101

The boundary condition is written in the form:

\[ t\_\* = t\_\*(x, y, z). \quad (3). \]

After transformation to a dimensionless form, the authors proceed to a mathematical solution of the problem. It is claimed, on the basis of the results, that the method of electrothermal analogy is applicable to the study of local heat transfer, and that it is simple and sufficiently accurate for engineering purposes. Use of the method is stated to be especially advantageous if there is available an \( \frac{\text{EI}-12^3\text{electronic inte-grator}, (0)\text{Type EGDA, or other similar machines; for solution of the differential Laplace equations which arise in the problem. Orig. art. has: 20 formulas and 3 figures.

SUB GODE: 20/ SUBM DATE: 00/ ORIG REF: 006/ SCV REF: 000/ OTH REF: 003

SHCHIERAYEVA, L.V. (Knybyshev.-obl.)

Diagnostic value of the pyrumidon test in subfebrile conditions.

Kaz. med. zhur. no.5:77-78 S-0 '61. (MIRA 15:3)

(EEVER)

(AMINOFTRENE)

TYURINA, G.I.; SHCHIERIK, V.I.

Experience in biogeochemical studying of a section of a complex metal deposit in central Kazakhstan. Mat.po geol.i pol.iskop. metal deposit in central Kazakhstan. (MIRA 15:12)
TSentr.Kazakh. no.2:44-48 '62.

(Kazakhstan—Ore deposits) (Geochemical prospecting)

SHCHIBROT, A.

We are constructing simplified manure pits. Sel'.stroi. 15 no.5:28 My '60.

1. Glavnyy agronom Ivanovskogo oblsel'khozupravleniya.

(Farm manure--Storage)

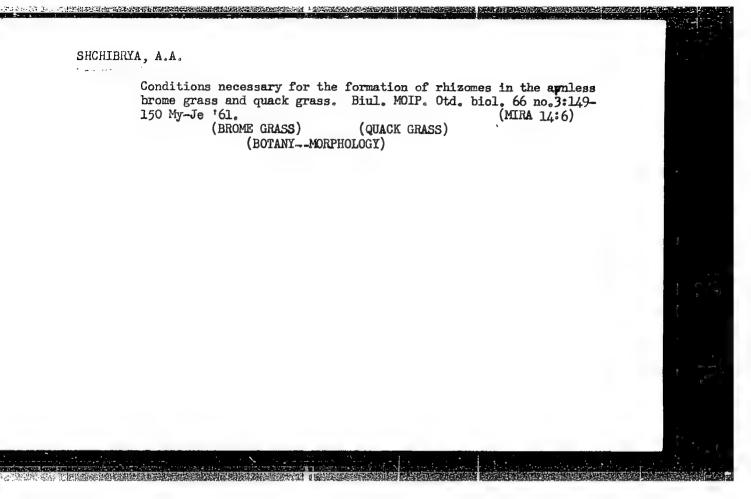
SHCHIBEVA, A.A. I KOFTRZHINSKIY, V.V.

25072 KOPERZHINSKIY, V.V. I SHCHIBRYA, A.A. Voprosy Biologii Tsveteniya I Plodoobrazorvaniya U Lyuts-rny. V. Sh: Voprosy Kormodobyvaniya. Vyp. 2. M.,1949, S. 113-20

SO: Letopis', No. 33, 1949

SHCHIBRYA, A.A., kand.sel'skohozyaystvennykh nauk; MART'YANOVA, A.I.; kand.sel'kokhozyaystvennykh nauk

Pollination characteristics of the bird's foot trefoil. Agrobiologiia no.5:694-697 S-0 '60. (MIRA 13:10)



SHCHTBRYA, G.G.; MOROZOV, N.M.; TEMKIN, M.I.

Kinetics and mechanism of catalytic reaction between carbon monoxide and water vapor. Part 1: Reaction on ferrochromium oxide catalyst. Kin. i kat. 6 no. 6:1057-IC68 N-D \*65 (MIRA 19:1)

1. Fiziko-khimicheskiy institut imeni Karpova. Sulmittedi February 13, 1965.

SHCHIBRYA, G.C.; MOROZOV, N.M.; TEMKIN, M.I.

Kinetics and mechanism of a catalytic reaction between carbon monoxide and water vapor. Fart 2: Reaction on a zinc-chromium copper oxide catalyst. Kin. i kat. 6 no. 6:1715-1117 N-D \*65 (MIRA 19:1)

1. Fiziko-khimicheskiy institut imeni Karpova. Submitted February 13, 1965.

BRESLAVETS, L.P.; BEREZINA, N.M.; SHCHIBRYA, G.I.

Effect on certain agricultural plants of prolonged irradiation with small doses of gamma rays. Biofizika 1 no.6:555-563 '56. (MLRA 10:1)

1. Institut biologicheskoy fiziki Akademii nauk SSSR, Moskva. (GAMMA RAYS--PHYSIOLOGICAL EFFECT) (PIANTS, EFFECT OF RADIATION OH)

BRESLAVETS, L.P.; BEREZINA, N.M.; SHCHIBRYA, G.I.; ROMANCHIKOV, M.L.

Effect of ionizin g radiations on the growth and development of certain agricultural plants. Biofizika 1 no.7:628-632 156.

(MLRA 9:12)

1. Institut biologicheskoy fiziki Akademii nauk SSSR, Moskva.

(PLANTS, EFFECT OF RADIATION ON)

SHCHIBRYA, G.I.

Pretreatment and supplementary nutrition for seeds as a factor in raising carrot yields. Trudy VNIVI 6:180-184 '59.

(MIRA 13:7)

1. Sel'skokhozyaystvennyy otdel Vsesoyuznogo nauchno-issledo-vatel'skogo vitaminnogo instituta.
(SMEDS) (CARROTS) (POTASSIUM BROMIDE)

SHCHIBRYA, G.I.; YAZYKOVA, V.A.; BRESLAVETS, L.P.; BEREZINA, I.M.

Action of ionizing radiation on some vitamin-bearing plants.

Trudy VNIVI 6:184-189 159. (MIRA 13:7)

l. TSentral'naya biologicheskaya stantsiya Vsesoyuznogo nauchnoissledovatel'skogo vitaminnogo instituta. (PLANTS, EFFRCT OF RADIOACTIVITY ON)

BRESLAVETS, L.P.; BEREZINA, N.M.; SHCHIBRYA, G.I.; ROMANCHIKOVA, M.L.; YAZYKOVA, V.A.; MILESHKO, Z.F.

Inreasing the yield of radishes and carrots by irradiating seeds with gamma and X rays before sowing. Biofizika 5 no.1:81 '60.

(MIRA 13:6)

(RADISH) (CARROTS) (PLANTS, HFFECT OF RADIATION ON)

BEREZINA, N.M.; SHCHIBRYA, G.I.; ROMANCHIKOVA, M.L.

Results of irradiating seeds of Rubin radishes under conditions of hotbed culture. Radiobiologiia 1 no.3:461-462 '61. (MIRA 14:10)

1. Institut Gologicheskoy fiziki AN SSSR, Moskus (PLANTS, EFFECT OF GAMMA RAYS ON) (SEEDS)

SHCHIBRYA, G.I.; BEREZINA, N.M.; PERETOKIN, I.V.; YAZYKOVA, V.A. [deceased]

Increasing the yield and vitamin content of strawberries following cultivation of planting material in a gamma field. Trudy VNIVI 8:86-89 '61. (MIRA 14:9)

1. Sel'skokhozyaystvennyy otdel Vsesoyuznogo nauchno-issledovatel'skogo vitaminnogo instituta. (Strawberries) (Plants, Effect of radioactivity on)

HEREZINA, N.M.; SHCHIERIA, G.I.; DROZHZHINA, V.V.; RIZA-ZADE, R.R.; TARASOVA, A.D.

Refrect of Co gamma irradiation of tubers before planting on the yield and vitamin C content of potatoes. Tadiobiologiia 3 no.1:139-142 '63. (MIRA 16:2)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(PLANTS, EFFECT OF GAMMA RAYS ON)
(ASCORBIC ACID)
(POTATCES)

SHCHIBRAYEV, E. V., and KUDRYASHEV, L. I.

"Heat and Transfer at a Jet Flow Round Bodies."

Report submitted for the Conference on Heat and Mass Transfer, Minsk, BSSR, June 1961.

5/124/62/000/010/011/015

AUTHORS: Kudryashev, L. I. and Shchibrayev, Ye. V.

TITLE: Application of the generalized theory of thermal re-

gularity to the determination of the heat loss coef-

D234/D308

ficient of complex bodies in air streams

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 10, 1962, 97, ab-

stract 10B603 (Tr. Kuybyshevsk. aviats. in-t, 1961,

no. 12, 83-92)

TEXT: The authors give an analytical proof of the existence of thermal regularity for a multilayer cylinder whose thermal conductivity and heat loss coefficients depend on temperature. Without corresponding specifications, the authors take the equations for a multilayer plate instead of those for a cylinder. Theoretical results are compared with experimental data in an example. Abstracter's note: Complete translation.

Card 1/1

SHCHICHENKOV, M. V.

Effect of fluid extracts of the roots of ginseng and Eleutherocoops on dark adaptation and visual acuity. Mat. k izuch. zhen'. i drug. lek. rast. Dali. Vost. no.5:221-244 163. (MIRA 17:8)

1. Dal'nevostechny/ filial imeni Komarova Sibirskogo otdeleniya AN SSSR.

SHCHICHENKOV, V. V.

Works of the Central Peat Experiental Station, (Min of Agri. RSFSR)

Volume III. 1936, 87 pages, "Peat in Vegetable". by Shchichenkov, V. V.

SO: Botanicheskiy Zhurnal, Vol XXXV, No 1, pp 100-110, Jan-Feb 1950, R ssian bimo per, Moscow/Leningrad (U-5511, 12 Feb 1954)

ALIMKIN, H.I.; SHCHICHILIN, K.I.

Beaches and marinas, Gor.khoz.Mosk. 34 nc.6:15-18 Je '60.
(MIRA 13:7)

1. Zamestitel' nachal'nika Upravleniya bytovogo i kommunal'nogo obsluzhivaniya (for Alimkin). 2. Machal'nik otdela ekspluatatsii Upravleniya bytovogo i kommunal'nogo obsluzhivaniya (for Shchuchilin).
(Moscow region---Bathing beaches)
(Moscow region---Marinas)

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| ACCESSION NR: AP5015549  |  | 86/65/000/008/0087/0087                     |
| AUTHORS: Sviridov, A. P.; S  | Shchichilin, V. M.   |   |
| · ·  | ing with ultrasound. Class 49, No  | . 170272                                    |
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SHCHICHKO, V. S.

Cand Agr Sci - (diss) "Crops of Crimean pine under conditions of mountainous Crimea." Kiev, 1961. 24 pp; (Ministry of Agriculture Ukrainian SSR, Ukr Academy of Agr Sci); 150 copies; price not given; (KL, 7-61 sup, 253)

25160

S/021/61/000/004/012/013 D213/D303

Use of activated diatomite ...

alcohol and methanol; 3)

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(Arquade-2HT), a yellow substance melting at 69-70°C, and soluble in benzene and dichloroethane; 4)  $C_{17}H_{33}CONH_2$  (Armide-0), a white waxy substance insoluble in water but soluble in organic solvents, melting at 68-69°C. The experimental results are given in Table 2. A second set of experiments was conducted by mixing the amines directly into the raw rubber preparation. The results obtained showed a considerable improvement in the tensile strength of the rubber and twofold acceleration in reaction time. Comparison of results shows that the activity of the amines deposited on the diatomite is less than the activity of the directly admixed amines. The reduced activity in the case of the activated diatomites can be explained

Card 2/4

Use of activated diatomite ...

S/021/61/000/004/012/013

by the elementary structure of the diatomite and the active additive. Apparently one of the amino groups of these compounds combines with the structure of the diatomite, thus reducing the availability of these groups for the formation of, aminopolysulphide complexes which on decomposition produce active sulphur. The greater . activity of the directly admixed amines is, therefore, simply explained by the greater concentration of the active amines which also help to accelerate the reaction. The action of the amines is to give the diatomite surface a greater affinity for the rubber. This tends to distribute the diatomite better through the mass of the rubber thus further increasing its strength. There are 3 tables and 3 Soviet-bloc references.

ASSOCIATION: Instytut zahal'noyi ta neorhanichnoyi khimiyi AN URSR,

Dnipropetrovs'kyy khimiko-tekhnolohichnyy instytut (Institute of General and Inorganic Chemistry, AS UkrSSR, Dnipropetrovsk Institute of Industrial Che-

mistry)

SUBMITTED:

December 26, 1960

Card 3/4

BLIKH, G.A.; SHCHICHKO, Z.V.

Amine-containing organic accelerators of rubber vulcanization.
Kauch.i rex. 21 no.7:11-15 J1 162. (MIRA 15:7)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut imeni  $F_{\bullet}E_{\bullet}$  Dzərhinskogo.

(Vulcanization)

· 1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,

SHCHICHKO, Z.7. [Shehychko, Z.V.]; SIMAKOVA, E.P. [Symakova, E.P.];

BOGUS AVSKIY, D.B. [Bohuslavs'kyi, D.B.]; BLOKH, G.A. [Blokh, H.A.], doktor khim. nauk; PIVOVAROVA, Yu.V. [Pyvovarova, IU.V.];

BOROLUSHKINA, Kh.N.

Increasing the strength of the bonds between the elements of automobile tires. Khim. prom. no.4:21-22 0-D '64.

(MIRA 18:3)

MUZYLEV, B.T., inzh.; SHCHIDAREV-VITKOVSKIY, G.V., inzh.

Noncontact proportioning circuit. Mekh.i avtom.proizv. 18
no.3:25-26 Mr '64. (MIRA 17:4)

Shing Che, The

Category: USSR/Electronics - Semiconductor Devices and Photoelements H-8

Abs Jour: Ref Zhur - Fizika, No 2, 1957, No 4368

Author : Shchigal', F.A., Madoyan, S.G., Petrov, L.A., Gol'denberg, V.A.,

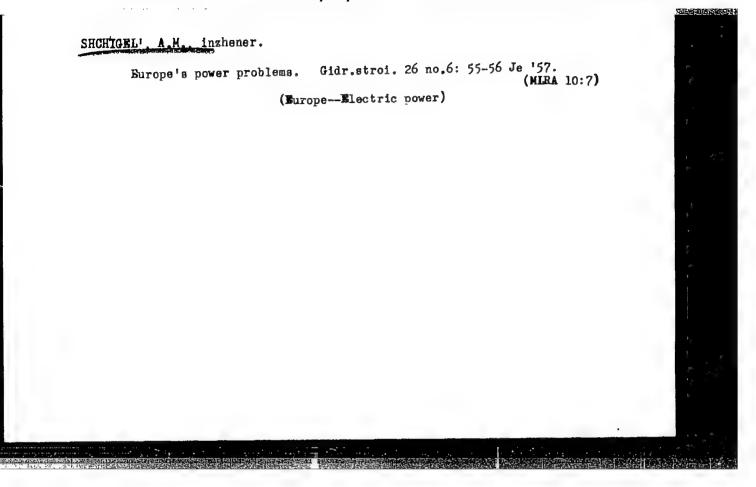
Lazareva, G.V., Stepanenko, I.P., Shuyskiy, L.I.

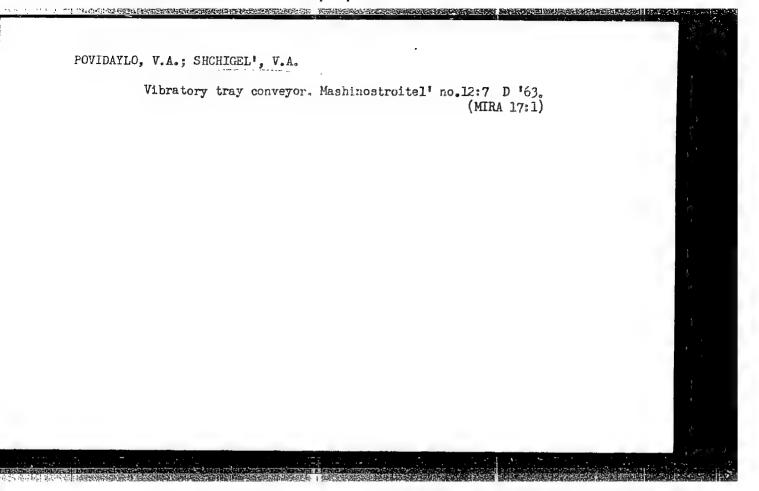
Title : Germanium Diodes and Transistors and their Application

Orig Pub: Radiotekhn. proiz-vo. Sb. I. M., 1956, 3-25

Abstract : Popular article

Card : 1/1





FOUIDAYLO, Vladimir Aleksandrovich; SILIN, Radomir Ivanovich;

SHCHIGEL', Viktor Abramovich KOMAROV, M.S., doktor tekhn.

nauk, red. vypuska; FURER, P.Ya., red.; GORHOSTAYFOL'SKAYA, M.S.,
tekhn. red.

[Vibratory devices in the manufacture of machinery] Vibratsionnye
ustroistva v mashinostroenii. Moskva, Mashgiz, 1962. 109 p.

(MIRA 15:6)

(Machinery industry)

(Vibrators)

POVIDAYLO, V.A., kand. tekhn. nauk; SHCHIGEL', V.A., inzh.

Vibratory screw hoist. Mekh. i avtom. proizv. 17 no.8;
41-42 Ag '63.

(MIRA 16:10)

# "APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001548920003-9

GAVRILOVICH, Mikhail Al'bertovich, dotsent, kand, med.nauk; SAYNT, Aleksandr Gavrilovich, assistent; SHCHIOZL'SKIY, Vyacheslay, Iyanovich, assistent; MOGILEVCHIK, Z.K., prof., nauchnyy red.; SHEVLAK, V.A., red.; ZIMA, Ye.G., tekhred.

[Hygiene for school children; collection from the series, "What one must know about the training of children."] Gigiene detel one must know about the training of children."] Gigiene detel one must know about the training of children."] Gigiene detel one must know about the training of children."] Gigiene detel one must know about the training of children."] Gigiene detel one must know about the training of children."] Gigiene detel one must know about the training of children."] Gigiene detel one must know about the training of childrens." or seprestraneniu thatil detel." Minsk, 1960. 38 p. (Obshchestvo po resprostraneniu tanii detel." Minsk, 1960. 38 p. (Obshchestvo po resprostraneniu tanii detel." Minsk, 1960. 38 p. (Obshchestvo po resprostraneniu tanii detel." Minsk, 1960. 38 p. (Obshchestvo po resprostraneniu tanii detel." (MIRA 14:1)

1. Kafedra gigiyeny Minskogo meditsinskogo instituta (for Seyet, Shchigel'skiy). 2. Chilan-korrespondent Akademii meditsinskikh nsuk SSSR (for Mogilevchik).

(CHILDREN--GARE AND HYGIENE)

SHIROKOVSKIY, R.M.; SECHICEL'SKIY, V.M.

Induction transducer of displacement with linear scale. Avtom.

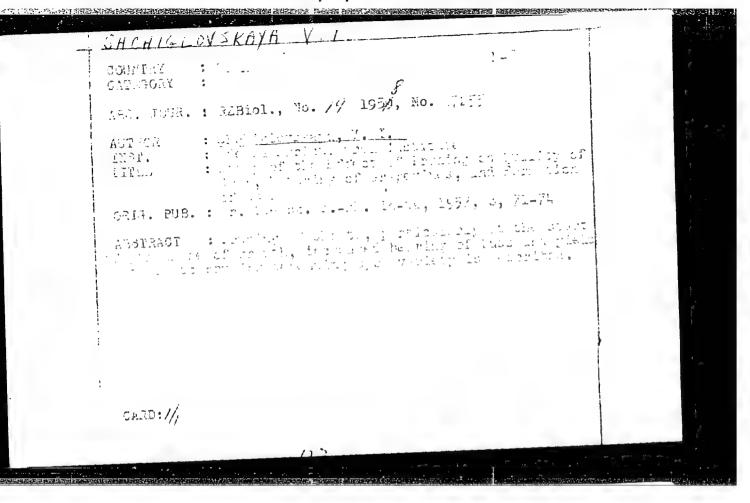
(MIRA 15:2)

svar. 15 no.3:84-85 Mr '62.

1. Ordena Trudovovo Evaconego Znameni institut elektrosvarki
imeni Ye.C. Fatona M. ISSR.

(Electric welding)

(Automatic control)



M COUPTRY : Cultivated Plants, Fruits, Berries. : USSR CATEGORY ABS. JOUR. : RZhBiol., No. 23 1958 No. 101,323 : Mel'nik, S. h. Shehiglevskeys, V. I. AUTHOR : Oceasa Agricultural Institute : Lapelometric Method of the Determination of the Leaf IMST. TITLE Surface area in drapovine. ORIG. PUB. : Tr. Odensk. s.-kh. in-ta, 1957, 3, 32-38 : A method, sulled by the authors ampelometric, is proposed for the determin tion of grapevine leaf area without ABSTRACT plucking leaves off the vine. In this method, the diamater of each leaf on each smoot is determined successively from the base to the tip. The diameter of the leaf is taken to be the distance in longitudinal direction from the furthest projecting tooth of the lower lote to the tip of the central tooth of the upper terminal lobe. For CARD: 1/2 137

DOROKHOV, B.A., red.; ZAKHAREVICH, B.G., red.; IVANOV, A.S., red.; SEMENOV, S.M., red.; CHIKOV, Ye.I., red.; SHCHIGLOVSKIY, B.M., red.

[Catalog of standard estimates for construction work at prices set as of July 1, 1955, for buildings of the second group administered by the Ministry of the Lumber Industry of the U.S.S.R., located in Altai Territory, Kemerovo, Novosibirsk, Omsk and Tomsk provinces and Tyumen Province (south of the 64th parallel), the 18th territorial district of the U.S.S.R.] Katalog edinichnykh rastsenok na stroitel'nye raboty v tsenakh, vvedennykh s l iiulia 1955 goda dlia stroek vtoroi gruppy Ministerstva lesnoi promyshlennosti SSSR, raspolozhennykh v Altaiskom krae, Kemerovskoi, Novosibirskoi, Omskoi, Tomskoi oblastiakh i Tiumenskoi oblasti (iuzhnee 64 paralleli) 18-go territorial'nogo raiona Soiuza SSR. Leningrad. Book 1, 1957, 111 p. Book 2, 1957, 107 p. Book 3, 1957, 139 p. (MIRA 10:12)

1. Russia (1923- U.S.S.R.) Upravleniye kapital'nogo stroitel'stva. (Building--Estimates)

DOROKHOV, B.A., red.; ZAKHAREVICH, B.G., red.; IVANOV, A.S., red.; SEMENOV, S.M., red.; CHIKOV, Ya.I., red.; SHCHIGLOVSKIY, B.M., red.

[Technical section for catalogs of uniform estimates of construction work and costs, in effect as of July 1, 1955, for structures of the second group of the Ministry of the Lumber Industry of the U.S.S.R.; for all territorial districts] Tekhnicheskaia chast'k katalogam edinichnykh rastsenok na stroitel'nye raboty v tsenakh, vvedennykh s 1 iiulia 1955 goda dlia stroek vtoroi gruppy Ministerstva lesnoi promyshlennosti SSSR (dlia vsekh territorial'nykh raionov). Leningrad, 1957. 222 p. (MIRA 10:12)

1. Russia (1923- U.S.S.R.) Ministerstvo lesnoy promyshlennosti. Upravleniye kapital'nogo stroitel'stva.

(Construction industry--Costs)

1.18322-63 ACCESSION NR: AP3004967 ESD-3 s/0076/63/037/008/1689/1693

Iossel, Yu. Ya.; Shchiglovskiy, K. B. (Leningrad) AUTHORS:

TITLE: Analysis of multi-electrode galvanic systems by means

of equivalent electrical circuits

SOURCE: Zhurnal fiz. khimii, v. 37, no. 8, 1963, 1689-1693

corrosion, multi-electrode galvanic system, equivalent electrical system, double electrical layer, TOPIC TAGS: electrolyte-metal juncture

ABSTRACT: Authors analyzed a multi-electrode galvanic system in order to learn something about its corrosion-producing properties. The current path in a galvanic system proceeds through the electrolyte and metal, and the function of both links of the path is the source of e.m.f. since the charged double electrical layer also originates here. The difference between potentials of the electrolyte and metal is equal to the difference of the electrode potential of the metal and some function of current representing

1/4 Card

1)

L 18322-63 ACCESSION NR: AP3004967

the polarization. Hence, the double electrical layer can be represented by the source of e.m.f., the direction and magnitude of which is determined by the electrode potential of the metal having an electronic resistance  $R_i = (1/I)f(I)$ . It is possible to represent the elemental segment of the galvanic system in Figure 1 of the enclosure by the equivalent electrical circuit shown in Figure 2 of the enclosure. Any galvanic system can be represented through an equivalent electrical circuit by replacing the actual cells with centralized e.m.f. sources and also by linear and nonlinear resistances. The method of connection of the cells depends upon current distribution in the real system. The introduction of an equivalent circuit makes it possible to investigate a multiple electrode system on its model. Orig. art. has: 6 figures.

ASSOCIATION: none

SUBMITTED: 29Dec60

DATE ACQ: 06Sep63

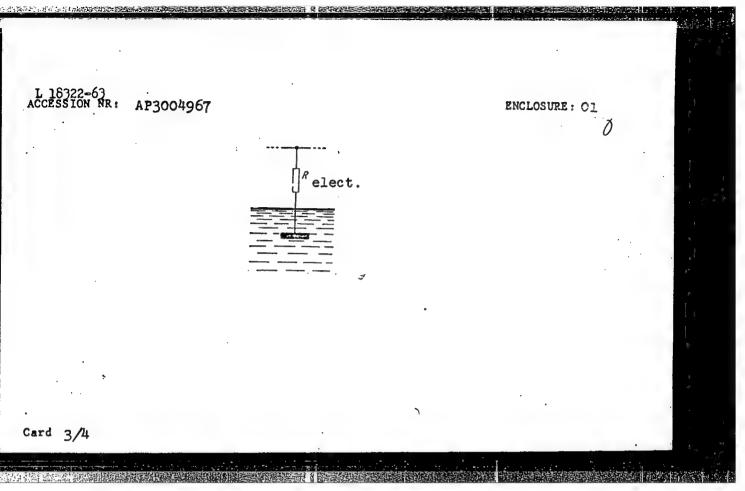
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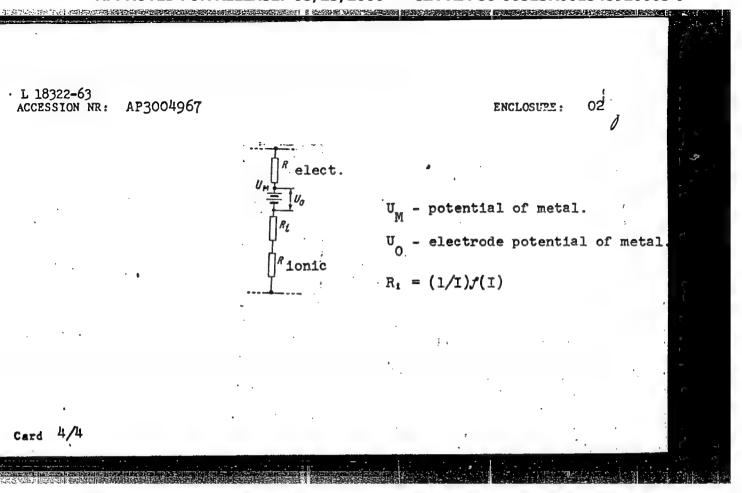
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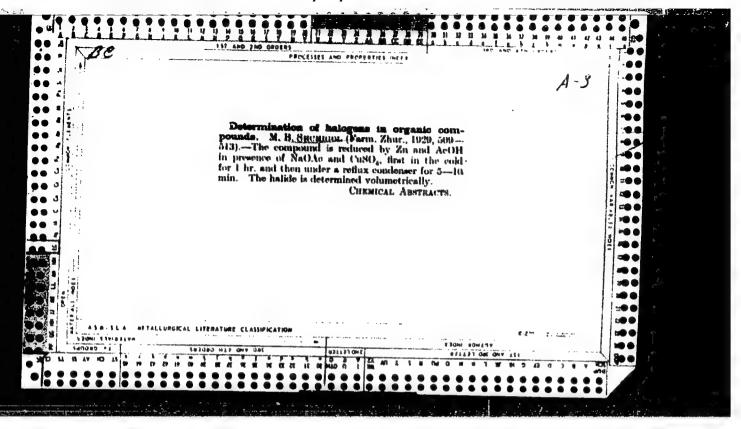
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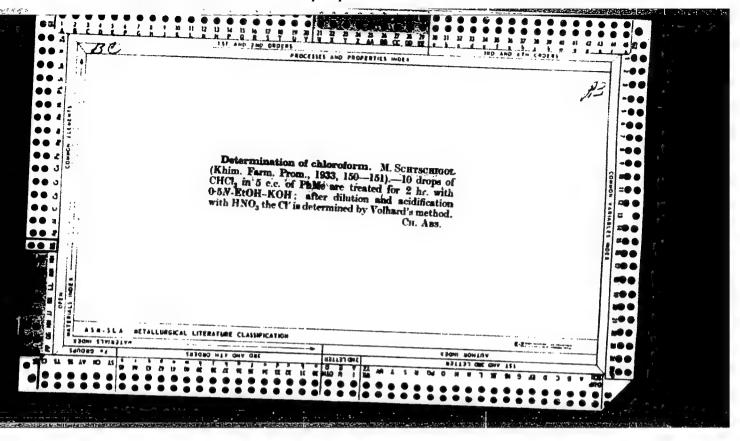
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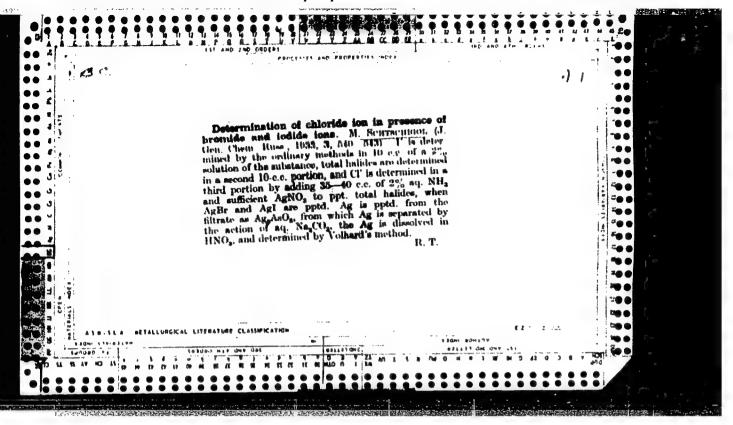
2/4 Card

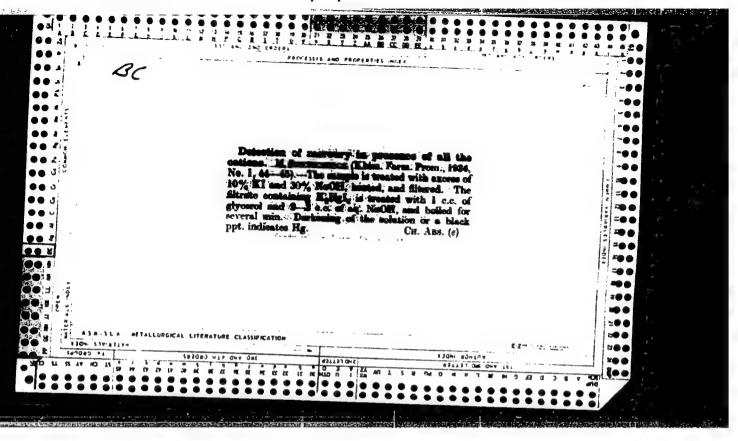


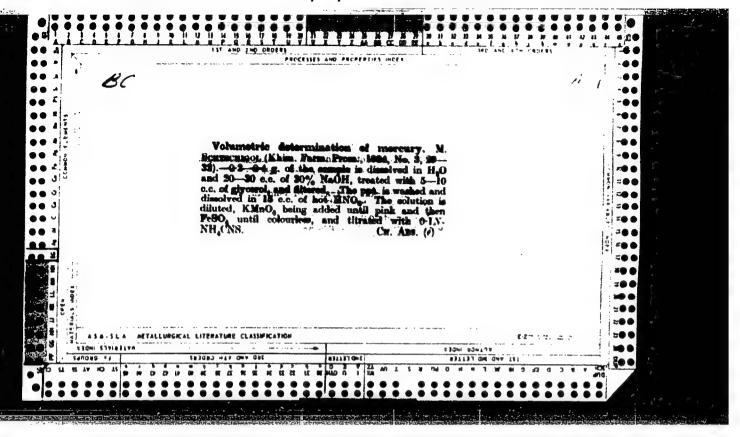


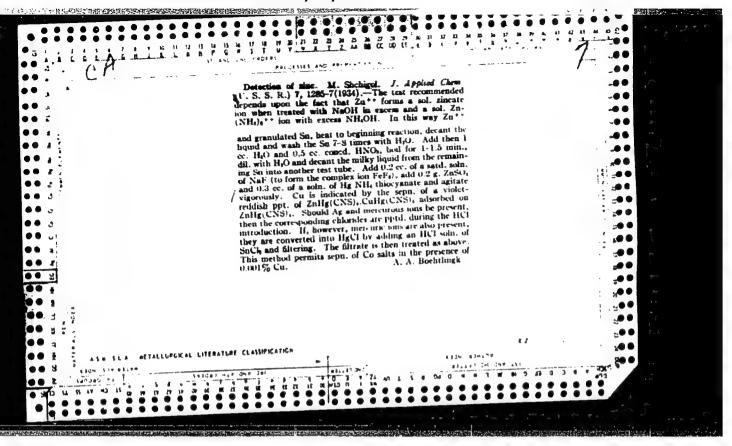


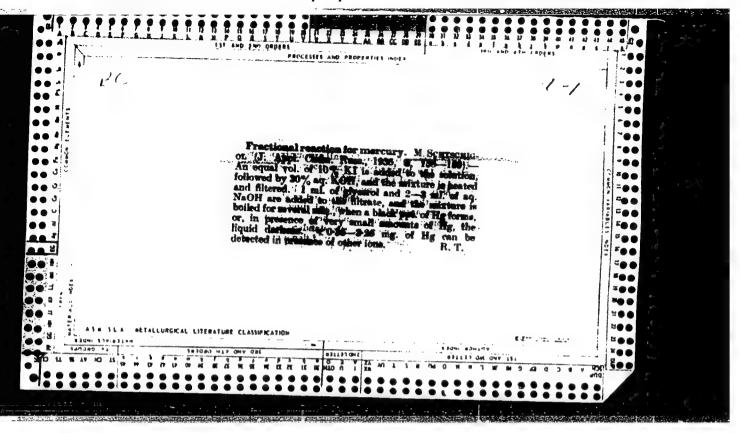


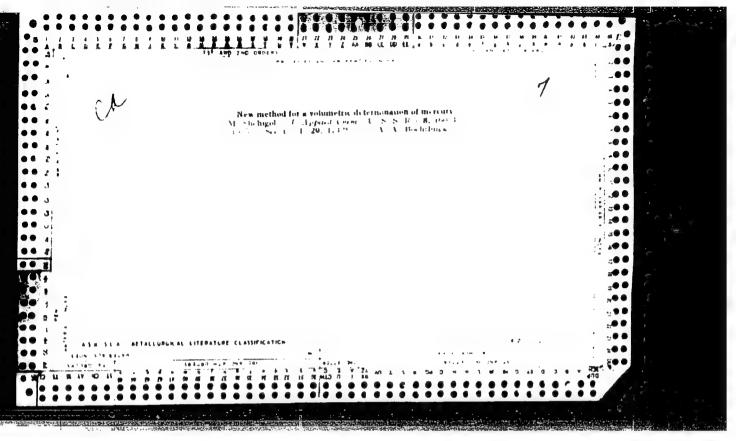


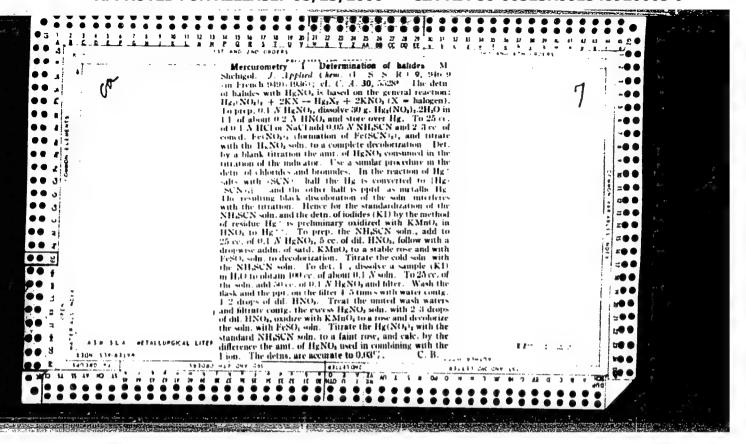


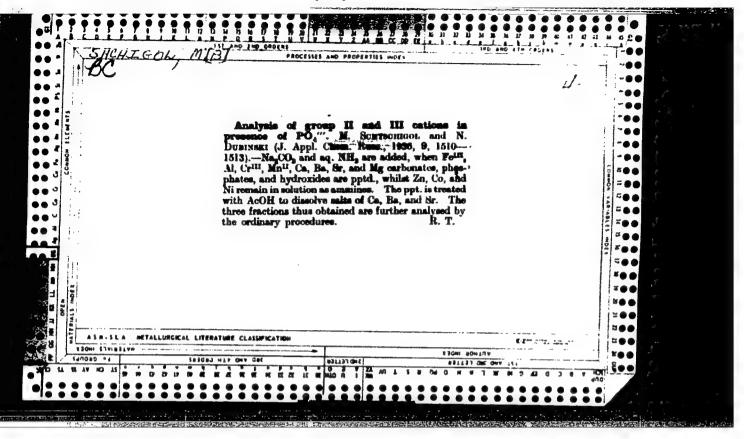


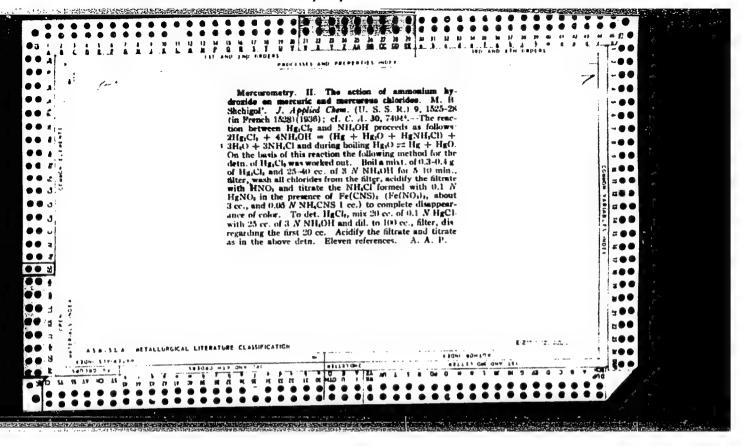


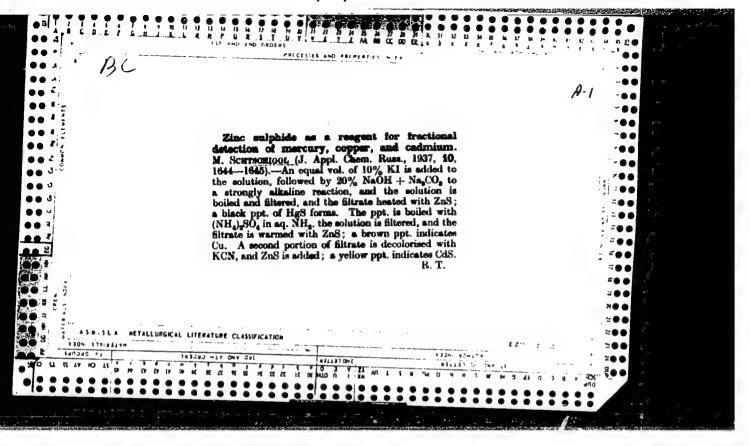


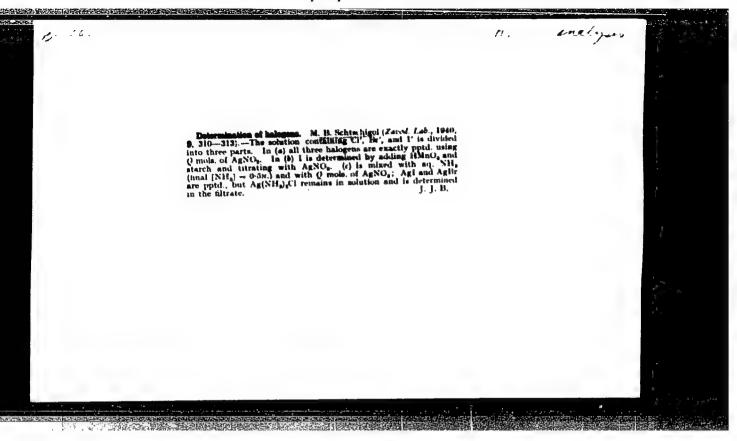


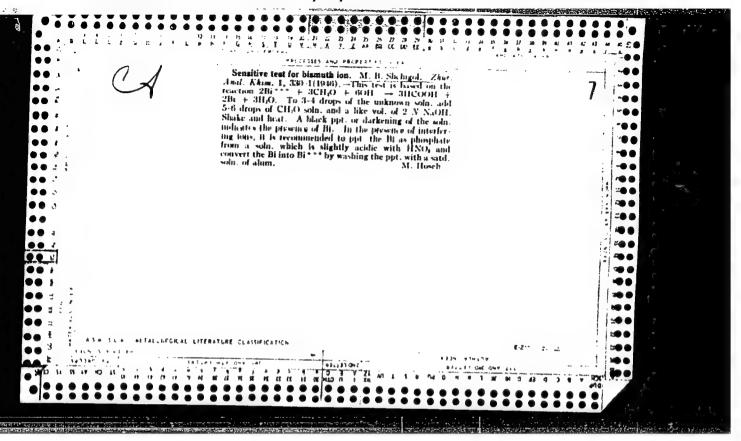






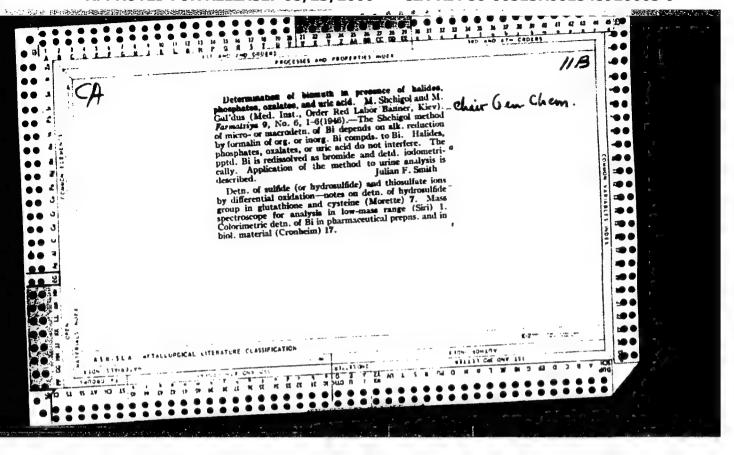


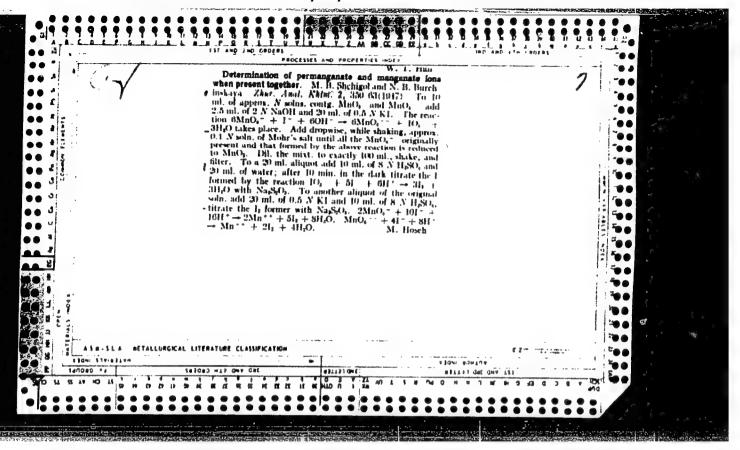


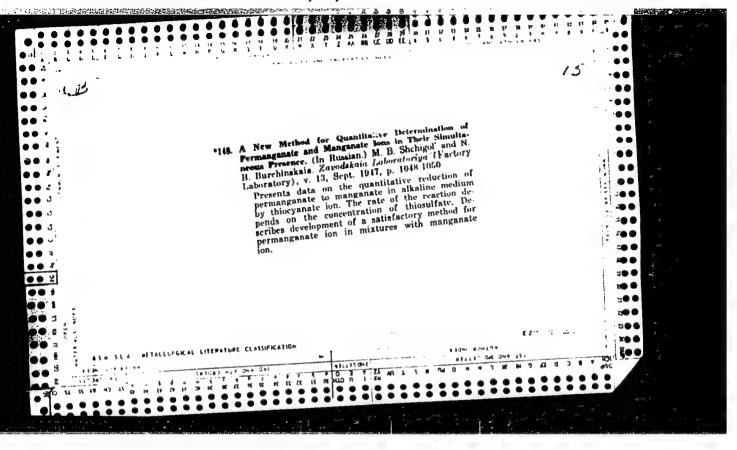


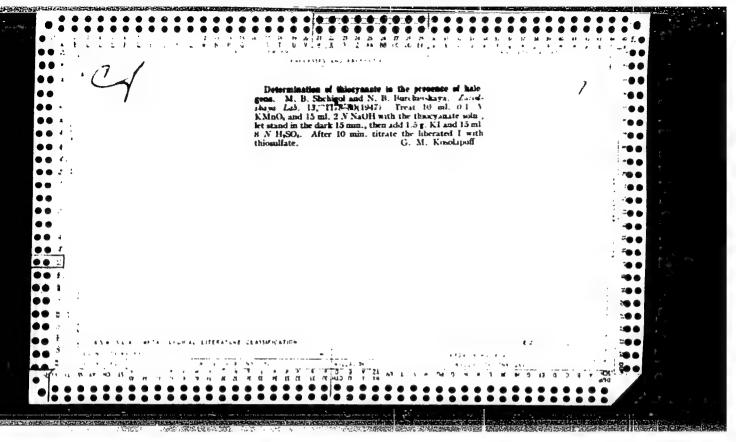
#### "APPROVED FOR RELEASE: 08/23/2000

#### CIA-RDP86-00513R001548920003-9









SHCHIGCL', M. B. PA 62T76

USSR/Metals
Bismuth - Determination
Titration

Mar 1948

"Microvolumetric Determination of Bismuth," M. B. Shchigol', Kiev Med Inst, 2 pp

"Zavod Lab" Vol XIV, No 3 - p - 276-7

Determined that bismuth ions in compounds with acetic acid and chromate, bichromate, iodate, or oxalate produce salts that are basically difficult to dissolve. Method is based on iodometric titration of chromate or iodate residues.

62**T**76

#### USSR/Chemistry-Oxalates

Dec 48

"Potentiometric Determination of Oxalates and Chlorades in an Ammoniacal Medium," M. B. Schigol', S. M. Birnbaum, Kiev Med Inst, 3 pp

"Zavod Lab" Vol XIV, No 12 / . 1427-9

Describes method for potentiometric determination of oxalate ions in a free state and mixed with chlorine ions in an ammoniacal medium. States hypothesis on formation of a complex compound of type  $\sqrt{Ag(NH_3)_2}$   $\sqrt{Ag(NH_3)_2}$  with a silver coordination number of h.

49/49728

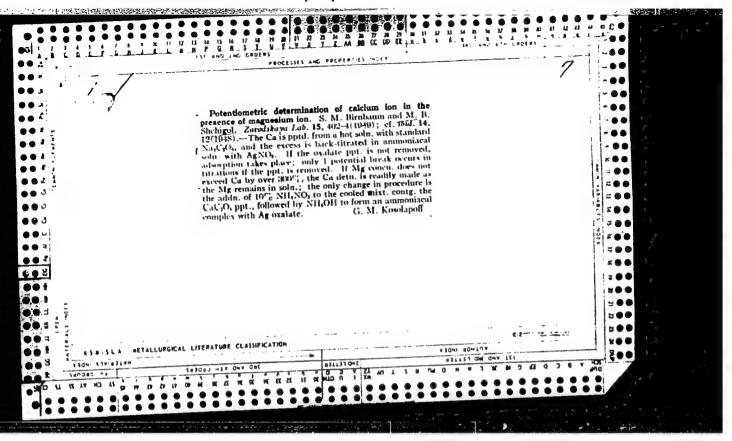
SHCHIGOL', M.B.

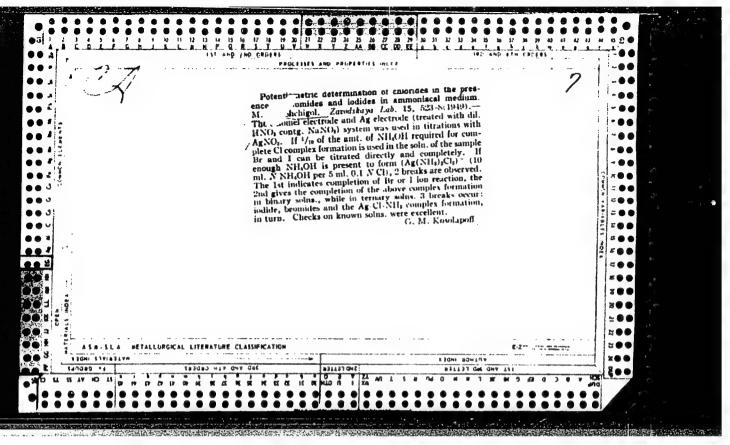
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CIA-RDP86-00513R001548920003-

28938 Potentsiometricheskoe opredelenie khromatov i Khlorilov V ammiachnoy Sirede. Zavodskaya Laboratoriya. 1949, No. 9 S. 1027-30

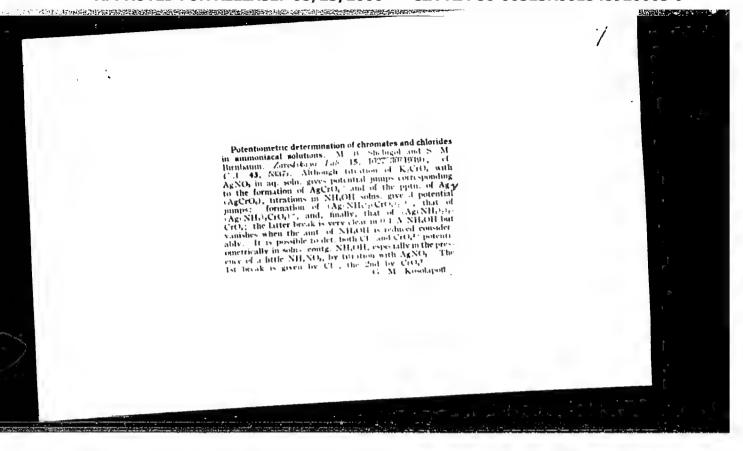
SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

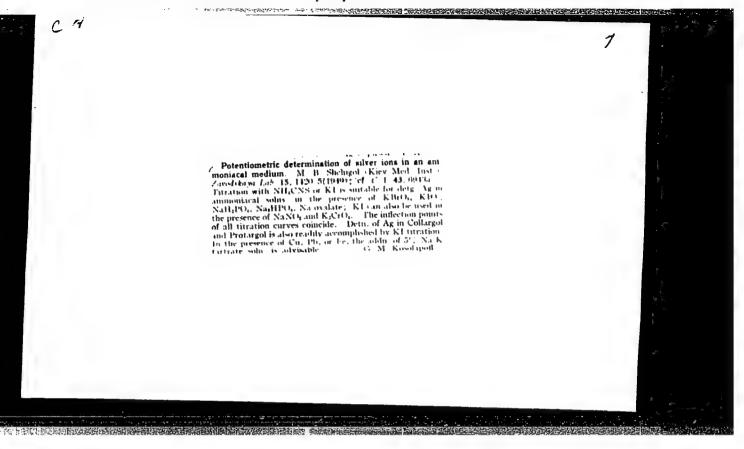


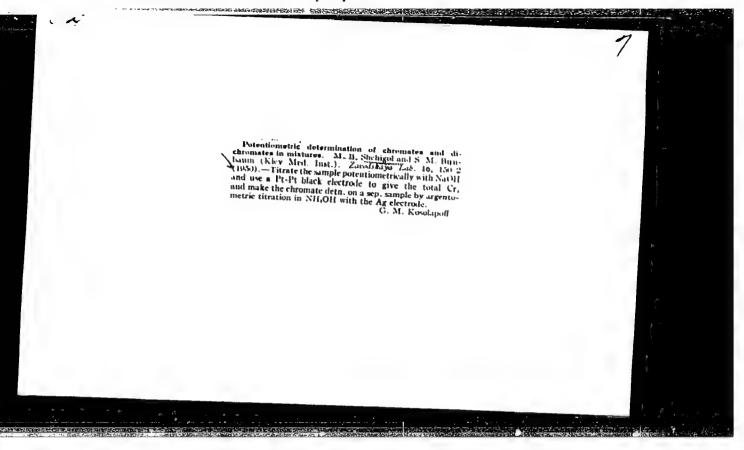


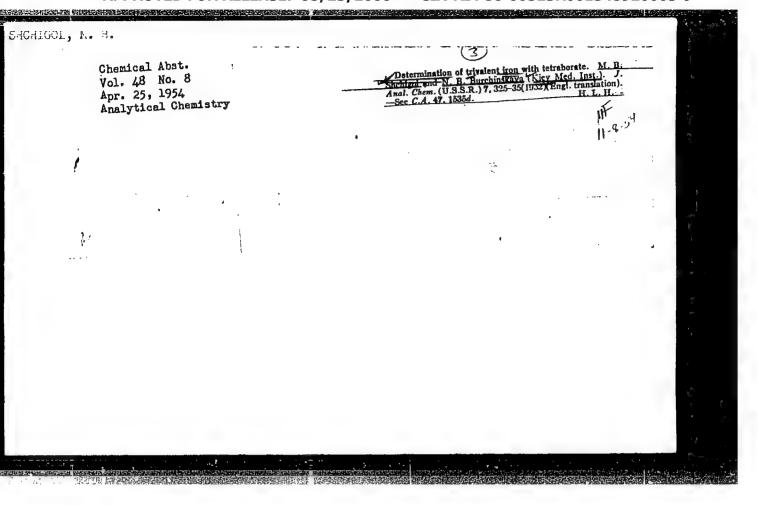
#### "APPROVED FOR RELEASE: 08/23/2000

#### CIA-RDP86-00513R001548920003-9



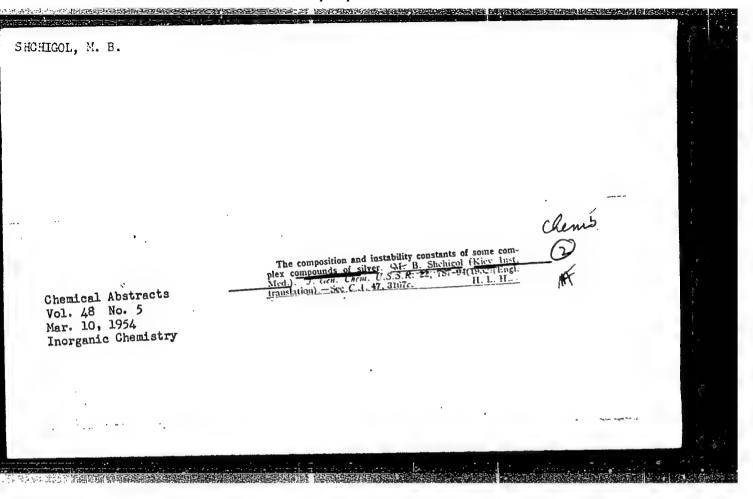


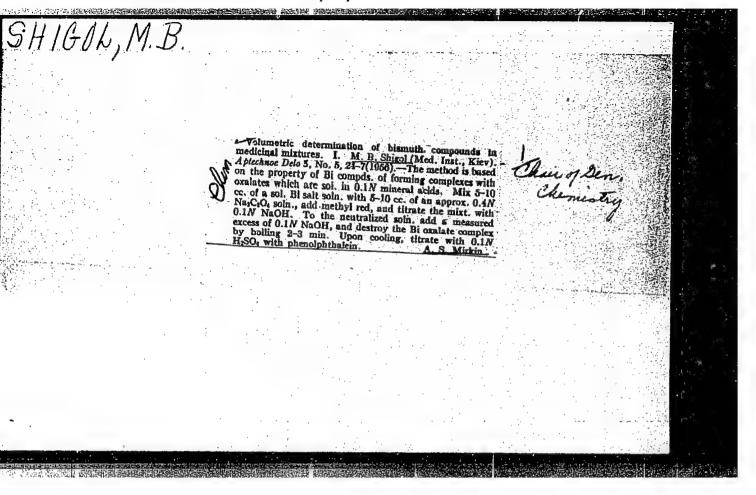


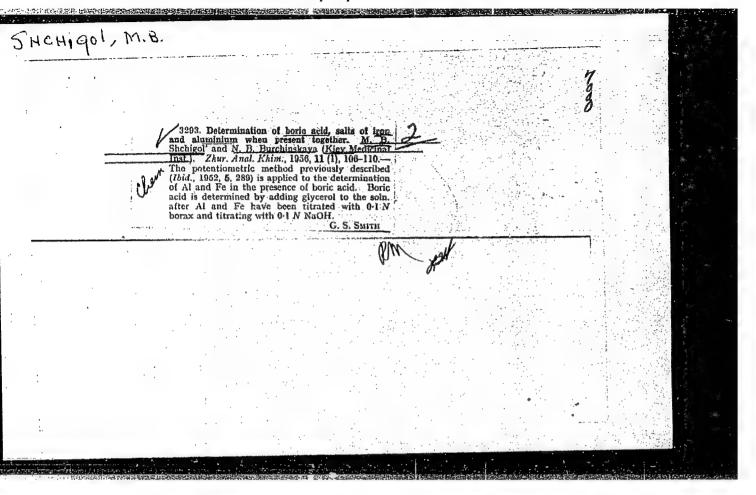


"Determination of Iron in Blood, Drug Preparations, and Water," <u>Vracheoncya Delo</u>, No. 9, 1952, pp 353-854.

"Composition and instability constants of some silver complexes." (p. 721)
S0: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1952, Vol. 22, No. 5





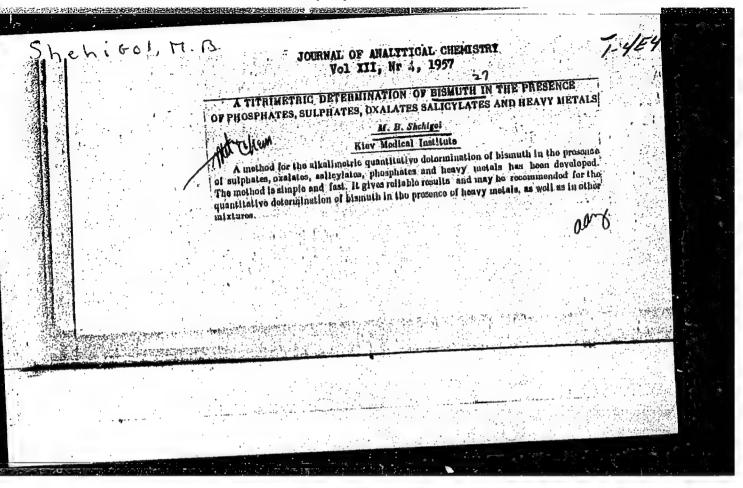


SHCHIGOL', M.B.; BURCHINSKAYA, N.B. (Kiyev)

Volumetric and analytical determination of bismuth in various compounds and drugs. Report No.2. Apt.delo 6 no.2:36-38 Mr-Ap '57. (BISMUTH)

(BISMUTH)

(MIRA 10:6)



SHCHIGOL', M.B.; EURCHINSKAYA, H.B.

Determining zinc in compounds. Apt.delo 7 no.1:48-50 Ja-F '58.

(MIRA 11:3)

1. Iz kefedry obshchey khimii Kiyevskogo meditsinskogo instituta.

(ZINC)

SOV/78-4-9-14/44 5(2) Shchigol', M. B. On Some Properties of the Borates of Zinc and Cadmium · AUTHOR: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 9, pp 2014-2019 TITLE: PERIODICAL: A survey is given of the rapidly increasing number of publications on the subject of borates (Refs 1 - 14) with particular reference to the investigations of A. D. Keshan and coworkers ABSTRACT: (Refs 7 - 10). Then, the preparation of zinc- and cadmium-borate solutions in water and aqueous boric acid is reported on. The borates were obtained by the addition of borax solution to hot solutions of the nitrates. Analysis of the fine crystalline powders showed the compositions to be  $Zn(B0_2)_2H_2O$  and  $Cd(BO_2)_2$ .  $7H_2O$  . Zinc diborate was also obtained simply by treatment of zinc oxide with boric acid. The solubility of zinc diborate (activity solubility product = 6.56.10 is given in table 1, that of cadmium diborate (activity solubility product = 2.31.10-9) in table 2. A. D. Keshan and coworkers (Refs 9, 10) Card 1/2

On Some Properties of the Borates of Zinc and Cadmium SOV/78-4-9-14/44

indicated that the borates of alkaline-earth and of some heavy metals (Mn, Ag) form complex compounds with boric acid. This was confirmed by the increase in solubility of zinc and cadmium borate produced by rising concentrations of boric acid, as shown

in tables 3 and 4. It is assumed that the complex ions  $\left[\operatorname{Zn(BO}_2)_4\right]^{2-}$  (instability constant = 1.61.10<sup>-12</sup>) and  $\left[\operatorname{Cd(BO}_2)_4\right]^{2-}$  (instability constant = 2.30.10<sup>-11</sup>) are formed. (Abstracter's

Note: The activity product of zinc diborate is twice given wrongly: p 2015: -6.56.10<sup>-11</sup>, p 2018: 5.56.10<sup>-11</sup> . 6.56.10<sup>-11</sup> was given as the correct value of table 1)
There are 4 tables and 24 references, 19 of which are Soviet.

ASSOCIATION: Kiyevskiy meditsinskiy institut (Kiyev Institute of Medicine)

SUBMITTED: May 28, 1958

Card 2/2

SHCHIGOL!, M.B.; BURCHINSKAYA, H.B.

外外的企图 图形的现在分词形式 "你们们们们的名词名的是这种是是我们的知识的知识的知识的知识的,

Alkalimetric method for the determination of aluminum and iron occurring together and in medicinal compounds. Apt.delo 8 no.5:35-39 S-0 (MIRA 13:1)

1. Iz kafedry obshchey khimii Kiyevskogo meditsinskogo instituta Ministerstva zdravookhraneniya USSR. (ALKALIS) (IRON--ANALYSIS) (ALUMINUM--ANALYSIS)

SHCHIGOL', M.B.

Certain properties of salicylate complexes of trivalent iron.

Zhur.neorg.khim. 6 no.6:1294-1299 Je '61. (MIRA 14:11)

 Kiyevskiy meditsinskiy institut, Kafedra obshchey khimii. (Iron compounds) (Salicylic acid)

SHCHIGOL', M.B.; BURCHINGKAYA, N.B.

Some characteristics of aluminum borates. Zhur.neorg.khim. 6
no.ll:2504-2511 '61.

(Aluminum borate)

SHCHIGOL\*, M.R.

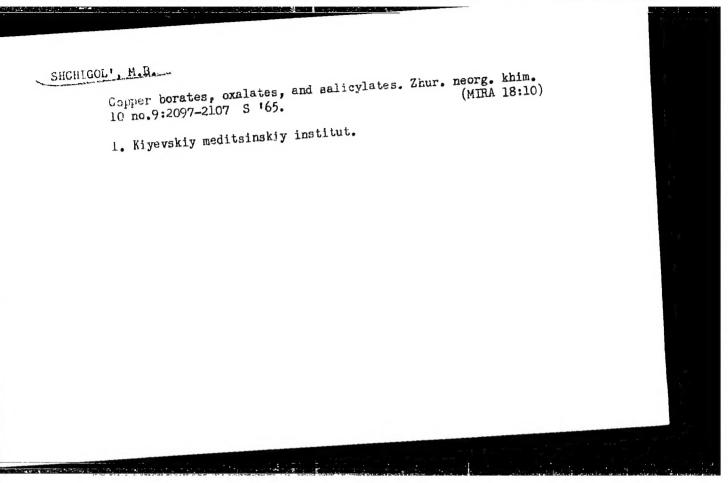
Some properties of cobalt and nickel borstes. Zhur.neorg.khim. 6 (MIRA 14:12)

1. Kiyevskiy meditsinskiy institut, kafedra obshchey khimii. (Cobalt borate) (Nickel borate)

SHCHIGOL', M.B.; BURGHINSKAYA, N.B.

December 2018 and 10 no.9:2090-2096 S '65.
(MIRA 18:10)

1. Kiyevskiy meditsinskiy institut, kafedra obshchey khimii.



| GCLW, A. A. | m m m u   |           |  |               | PA 11,/49T106  |                           |  |  |
|-------------|---|-----------|--|---------------|--|---------------------------|--|--|
|             | is obligatory. Discussion reported in "Vestnik Mosk (article is transcribed from speeches. Shmidt's defense satisfactory by Shchigolev. | - 1       | Acad Shmidt phis views on comets, age ousse, work on ideological s   | "Astron Zhur" | *Discussion is Shternberg or Academician Characteristan Characteri | USSR/Physics<br>Astronomy |  |  |
|             | 2 - 2   |           | Acad Shmidt published several articles his views on origin of double stars, comets, age of earth, etc., from 1944 USSR, work on cosmogony may be valuablideological struggle, hence its critic | Vol XXV, No 4 | in the State Astronomical Inst<br>on the Cosmogonic Hypothesis of<br>1 O. Yu. Shmidt," B. M. Shchigol  | цу                        |  |  |
| 14/497106   | Jul/Aug 48 organized by Institute os Univ." Present shorthand notes of not considered   | 14/49T106 | al articles elaborating le stars, origin of from 1944 onwards. In be valuable to   |               | O O  | Ju1/Aug 48                |  |  |
| 0.          | ute 1s  | 6         | ating<br>f<br>. In   |               | Imení  | 84                        |  |  |